

THE EDUCATION OF THE YOUNG AMERICAN FARMER.

By W. M. Beardhear, President Iowa State College, Ames, Iowa, and of the National Educational Association.

Among the marvels of progress at the opening of the new century is what the state colleges of agriculture and mechanic arts are doing for the farmer and the mechanic. The young farmer is given a thorough scientific acquaintance with the soil, the plant, the animal and their commercial relations. He learns the characteristics of various soils, the methods necessary for the successful tilling of each, and meteorology in relation to all. He is taught the choicest methods in raising the standard field crops. Each season he passes through experimental investigation and observation of raising forty or fifty different varieties of wheat, as many and more species of grasses, through numerous experiments with corn, and so on throughout the range of domestic plant life. In agricultural chemistry he studies the composition and nature of the soils, analyzes the plant life and the foods in feeding. In the botanical laboratories he studies noxious weeds and the best means of their destruction. In entomology he studies the life and habits of injurious insects, their effect on plant and animal life and the most suitable remedies for their ravages. The young farmer is taught the laws of heredity, selection and variation as fundamental to stock breeding and rearing. The most prominent of these colleges keep on hand only pure bred animals as object lessons of the several breeds for the student in animal husbandry. He is taught the comparative merit of these breeds. Mutton and wool sheep, the dairy cow, the best beef-producing animals are studied with a sole view of determining what is advisable and desirable for the farmer.

Questions arising like that of the most suitable age for their marketing, and the best methods of their feeding are pursued most faithfully. There is a complete system of men for the various kinds of animals. These he studies most thoroughly in connection with the live animal in the recitation room, and though young in years, becomes an expert stock judge able to compete and frequently surpass gray-haired men who have spent their lives in the study of these animals. The practical money side of raising these animals is followed with marked painstaking and eminent results. Young animals of the leading breeds are estimated from the sire and the dam regarding the cost of food, handling and worth of product, all the way to the butcher's block and the cash results. The relative merits of the dairy animals with their cost per day, their reward of profit and permanent value to the owner are determined with remarkable skill and clearness. The losing money battle over a poor animal of any kind is portrayed and the relative merits of animals of varying breeds for specific purposes, like the sheep for mutton or wool, hogs for bacon or lard, cattle for milk or beef, horses for drafting, roading or speeding, are all scientifically determined and the results tabulated for the coming farmer. In the dissecting room the anatomy of domestic animals is studied as carefully as that of the human subject in the medical colleges. The causes and remedies of animal diseases are gone over thoroughly, contagious diseases are largely checked and many minor diseases affecting domestic animals are brought under reasonable control. Herein men are trained for government service in meat inspection, inspection of vessels, cars and yards; gain infectious diseases, and for the securing of proper sanitary conditions in stock yards, and all the rapidly widening work of the United States Bureau of Animal Husbandry.

Intermingled with these studies is a large quantity of liberal learning in languages, sciences, history and philosophy. Through the efficient management of Hon. James Wilson, United States Secretary of Agriculture, approved graduates of the best of these colleges are given post graduate work in connection with some bureau in the Department of Agriculture at Washington, D. C., with a sufficient annuity to pay their expenses. In a word the educated young farmer of the day, graduating from one of the best colleges of agriculture and

mechanic arts of this country, has an education comparable with that of the young man entering any one of the professions.

These colleges also are taking prominent in the higher education of woman. They are giving her equal advantages with her brother for a better education and a complete life. In domestic science, the sanitary conditions of the full life in the home are most thoroughly taught. Intellectual and practical home making and home keeping are taught by actual demonstration in the Department of Domestic Economy. They are taught regarding the location, construction, finishing, furnishing, lighting, heating and keeping of the home; the buying, analyzing, testing and serving of foods; the selecting, designing, making and keeping of the clothing. All this work is intermingled with the liberal arts and sciences through a four-year college course fitting a young woman for any station of life, from kitchen to the white house after graduation.

The term "alternate husbandry" referring to the rotation of crops had its rise the past century. With the opening of the present century there is a new "alternate husbandry" that cultures the farmer as fundamental to the best evolution of the plant and the domestic animal. Scientific agriculture helps to make ten acres do what one hundred acres used to do. It develops the possibilities of a better soil, a larger plant, a fuller harvest and a fatter pocket-book. It teaches the breeding of better animals and more profitable markets. It makes twenty cent butter out of the same material as the former twelve cent butter. It harmonizes the points of the plow and the pen. It merges country and town with a betterment to both. The telephone, the electric railway, the daily rural mail and express are now within the reach of many farm homes. The rural schools will soon take on a fundamental trend in elementary agriculture, horticulture and domestic science. The time is in sight for many now living to find the educated farmer among the most intelligent, thrifty and independent of American citizens. Thomas Jefferson

claimed that the greatest service a man could do to his country was an introduction of a useful plant, especially a new bread grain. The colleges of agriculture and mechanic arts are introducing the choicest bread grains ever nurtured on American soil—the educated young farm man and woman.

For Over Fifty Years.

Mrs. Winslow's Soothing Syrup has been used for over fifty years by millions of mothers for their children while teething, with perfect success. It soothes the child, softens the gums, allays all pain, cures wind colic, and is the best remedy for diarrhea. It will relieve the poor little sufferer immediately. Sold by all druggists in every part of the world. Twenty-five cents a bottle. Be sure and ask for "Mrs. Winslow's Soothing Syrup," and take no other kind. 1-1-17

Charleston Exposition Rates via the Southern Railway.

On account of the South Carolina Inter-State and West Indian Exposition to be held in Charleston, S. C., beginning December 1st, 1901, the Southern Railway will sell excursion tickets to Charleston and return at the following attractive rates from Rock Hill, S. C.:

For \$9.50, tickets on sale daily, limited to return June 3rd, 1902.

For \$7.00, tickets on sale daily, limited to return ten days.

For \$4.20, tickets on sale Tuesdays and Thursdays, limited to return seven days.

Corresponding reduced rates from other points.

The Southern Railway operates a table daily trains on convenient schedules with Pullman sleepers to and from Charleston, S. C.

For further information apply to W. L. McGee, T. P. A., Augusta, Ga.; W. H. Taylor, A. G. P. A., Atlanta, Ga.; J. E. Forney, Agent, Rock Hill, S. C.; R. W. Hunt, D. P. A., Charleston, S. C.

Cures Eczema and Itching Humors Through the Blood—Costs Nothing to Try.

B. B. B. (Botanic Blood Balm) is a certain and sure cure for eczema, itching skin, humors, scales, scabs, watery blisters, pimples, itching bones or joints, boils, carbuncles, pricking pain in the skin, old eating sores, ulcers, etc. Botanic Blood Balm cures the worst and most deep-seated cases by enriching, purifying and vitalizing the blood, thereby giving a healthy blood supply to the skin. Other remedies may relieve, but B. B. B. actually cures, heals every sore, and gives the rich glow of health to the skin, making the blood red nourishing. Especially advised for old, obstinate cases. Druggists, \$1. Trial treatment free and prepaid by writing Dr. Gillam 213 Mitchell St., Atlanta, Ga. Describe trouble and free medical advice given.

A Winter Danger—Hot Rooms.

While it is true that there are dangers and discomfort from extreme cold, it is also true that there is much more sickness and suffering caused in winter by overheated rooms, cars, etc., than from the cold. As a matter of fact, nearly all except those who lead an out-of-door life spend the winter in an atmosphere that is warmer than the average summer temperature. This is mostly due to the fact that there is a want of control of the artificial heat that is used in warming our houses, and in some cases for hours at a time no fresh, cold air is admitted, and no regulation of the supply of heat. The occupant, becoming gradually used to the increase in temperature, does not notice it, and the breathing of hot air goes on, the system becoming relaxed from the oppressive heat, while the occupant may be under a great mental or physical strain, and, as a result of this, there is a prevalence of sickness, including fevers of various kinds, and the people come to the end of winter greatly weakened and debilitated instead of being strengthened, as should be the case, from the exhilarating, stimulating winter atmosphere. This may be to a certain extent charged to carelessness on the part of servants and those in charge of heating appliances, and this has led to the study of mechanical methods of regulating the heat supply. Among the most effective appliances we know of is what is known as the Powers automatic temperature regulator.

This can be applied directly to the heating apparatus, and when the temperature in any given room reaches the point desired, the draughts will be so regulated as to reduce the heat effectually, and on a change of temperature in the room the heat supply will be increased. Not only this, but it can be applied to the radiators for steam and hot-water heating, or to registers for hot-air heating, in any special room, as in office buildings, etc., so that each can control the heat of their own apartments.—Health Culture.

Do you suffer from piles? If so do not turn to surgery for relief. DeWitt's Witch Hazel Salve will act more quickly, safely, saving you the expense and danger of an operation. McMaster Co.

How the Church Will Ultimately Conquer.

Ultimately the Church is going to conquer the world by conquering the home; and it can only conquer the home by going there more than it does, holding the hands of little children. If Christian nature is ever to take the place of spasmodic evangelism it can only be in this way. The lambs must be fed with tender, individual solicitude. They must be taught and loved and trained by men and women who see and understand that for them this is the loftiest service which they can render to the human race, and the deepest proof of their own devotion to the Savior of the world. If all Christian parents of the average Christian home, and of those homes which fall below the average in faith and intelligence, are to be taught to train their children, we all see and know that it cannot be merely through general rebukes and exhortations from the pulpit. Some one must be what the pastors of former days did in Scotland and in New England—some one must go in the homes as the teaching pastor of the children. We know that the general pastor of a large church cannot do this. He must preach his powerful sermons, he must fulfill many public functions, he must supervise the general policy and work of the church; give him as his colleague the man who is trained and has consecrated his life to be the teaching pastor. This is the next step in church organization and method, which has been already taken by some congregations, and which promises more than one can say for the future nurture of the Church.—The Christian Century.

Mothers everywhere praise One Minute Cough Cure for the sufferings it has relieved and the lives of their little ones it has saved. Strikes at the root of the trouble and draws out the inflammation. The children's favorite Cough Cure. McMaster Co.

A writer in a Boston paper makes this pointed comment on Admiral Evans's recent utterance relative to high schools: "Might not a New England high school education have saved Admiral Evans from such a sentence as, 'that every boy and every girl should be taught to work with their hands?'"

Tutt's Pills

After eating, persons of a bilious habit will derive great benefit by taking one of these pills. If you have been

DRINKING TOO MUCH,
they will promptly relieve the nausea, **SICK HEADACHE**

and nervousness which follows, restore the appetite and remove gloomy feelings. Elegantly sugar coated.

Take No Substitute.

"Winter Homes in Summer Land."

Is the title of a very neat and attractive folder just issued by the Southern Railway giving complete information regarding the various winter resorts of health and pleasure on and reached by its lines, with rates of board, capacity of hotels, names of proprietors, &c.

This booklet is in a very concise and attractive form and will prove valuable to any one contemplating a trip for the winter.

A copy may be had by sending a two cent postage stamp to
W. H. Tayloe, A. P. A.,
Atlanta, Ga.

Kodol Dyspepsia Cure is not a mere stimulant to tired nature. It affords the stomach complete and absolute rest by digesting the food you eat. You don't have to diet but can enjoy all the good food you want. Kodol Dyspepsia Cure instantly relieves that distressed feeling after eating, giving you new life and vigor. McMaster Co.

One of President Roosevelt's Century club friend went with him one night to a vaudeville entertainment. Among the entertainers on the programme was an imitator who gave impersonations of noted men. Mr. Roosevelt was vastly amused by the representation of himself and applauded vigorously. Then he turned to his friend and asked if the imitation was at all like the real thing. The friend answered that it was an excellent impersonation. Mr. Roosevelt threw back his head and laughed; "Well," he said, "if I'm like that when I talk I must be one of the funniest things on earth to see."—New York Times.

A Million Voices

Could hardly express the thanks of Homer Hall, of West Point, Pa. Listen why: A severe cold had settled on his lungs, causing a most obstinate cough. Several physicians said he had consumption, but could not help him. When all thought he was doomed he began to use Dr. King's New Discovery for Consumption and writes—"it completely cured me and saved my life. I now weigh 227 lbs." It is positively guaranteed for Coughs, Colds and Lung troubles. Price 50c and \$1.00. Trial bottles free at McMaster Co.'s.

The famous Gattis-Kilgo case was decided again Saturday night after six days' trial. Defendants' attorneys felt sure that they would win, but the jury after being out several hours brought in a verdict for the plaintiff in the sum of \$15,000. Kilgo, Duke and Odell were the defendants. The jury excepted Odell from the verdict, so it stands against Kilgo and Duke. Their attorneys gave notice of appeal.

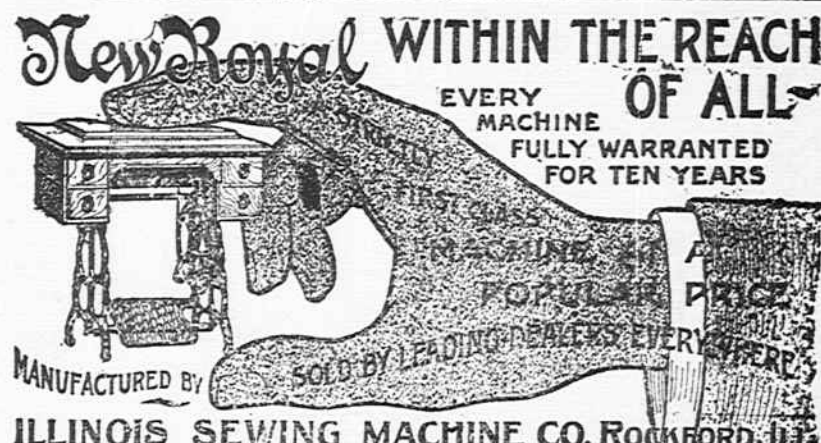
Lewis Ockerman, Goshen, Ind.: "DeWitt's Little Early Risers never bend me double like other pills, but do their work thoroughly and make me feel like a boy." Certain thorough, gentle. McMaster Co.

The Battle Abbey, built by order of William the Conqueror, on the field of Hastings, was sold at public auction last week for \$1,000,000. The purchaser is unknown. It was said that William Waldorf Astor was the purchaser, but he denied the statement.

Foils a Deadly Attack.

"My wife was so ill that good physicians were unable to help her," writes M. M. Austin, of Winchester, Ind., "but was completely cured by Dr. King's New Life Pills." They work wonders in stomach and liver troubles. Cure constipation, sick headache. 25c at McMaster Co.'s drug store.

When such valuable old relics as Marion's will are to be found in the old rubbish room of the state house, it would seem exceedingly wise for the legislature to make an appropriation to defray the expense of having this old rubbish thoroughly gone over so that whatever is valuable may be recovered and properly preserved. The work could be done for a few hundred dollars, and it should be attended to.



ILLINOIS SEWING MACHINE CO. ROCKFORD, ILL.

Why pay big prices for other machines when you can get the above high grade machine from us at the following low prices:

UPRIGHT, - - - - \$18.00,
DROP-HEAD, - - - - \$20.00.
PARLOR CABINET, - - - \$30.00.

DesPortes Mercantile Co.

Inspect the NEW ROYAL before buying. For one dollar additional any of these machines will be delivered to your nearest depot.

A Pretty Line of

SCARF PINS, SLEEVE BUTTONS, BROOCHES, LADIES' WATCH CHAINS, &c., and the prettiest LADY'S GOLD WATCH for \$20.00 ever brought to the town.

C. M. Chandler.

SPECIAL CHRISTMAS OFFER.

For the next THREE WEEKS we will give to each customer who buys Ten Dollars' worth of dry goods for cash from us Fifty Cents' worth of whatever they want to select out of the store. This gives you a chance to select something useful and serviceable for a present. This offer is only good for the time stated. Can and see us.

Lauderdale & Bryson.

ARE

you aware that our line of Stationery is the most complete in town. When

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are looking for something in that line come and get our prices. We know some friend is

LOOKING

for a letter from you. So don't disappoint them. When you are out for a stroll looking

FOR A

a Xmas present, a nice box of paper, we will suggest, (if you cannot think of something better), for

LETTER

writing of all kinds, we can suit you. Prices right, quality good. Come and get your money's worth in quality and quantity.

JNO. H. McMASTER & CO.
Phone 39. Druggists.

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SELLING OUT

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Phone No. 9.

WANTED, Hickory, Dogwood and Persimmon Logs. Southern Hardwood Co., Charleston, S. C. 11-26-1m

My Stock is Complete.

HARDWARE.

New and large variety; best assortment we have ever had, and prices to suit.

CROCKERY.

Best English and American granite, plain and decorated. In this line we make extra effort and offer special bargains.

TINWARE.

Anything you may want in this line. Call and see me before buying. Satisfaction guaranteed.

J. W. SEIGLER.

Application for Final Discharge.

Notice is hereby given that I will apply to S. R. Johnston, Judge of Probate for Fairfield County, for a final discharge as Administrator of the estate of T. P. Mitchell, deceased, on the 31st day of December, 1901.

R. G. BRICE, Administrator.

Application for Final Discharge

Notice is hereby given that I will apply to the Probate Judge for Fairfield County for a final discharge as Executor of the Will of Robert McCarty, deceased, on the 30th day of December, 1901.

JOHN A. STEWART, Exr. Will Robt. McCarty, dec'd. 11-29-1m

PRESTON RION,

AGENT FOR

Westchester Fire Insurance Company of New York.

Glen Falls Insurance Company of New York.

Rochester German Insurance Company of Rochester, N. Y.

Cotton risks a specialty.

Solicits share of public patronage.

TOWN TAX NOTICE.

I AM NOW RECEIVING TOWN

taxes at No. 4 Law Range.

Office hours from 9 o'clock A. M. till

2 o'clock P. M., and from 3 o'clock

P. M. to 5 o'clock P. M.

Penalty will attach after the 31st instant.

JNO. J. NEIL, Clerk of Council.